MATERIAL SAFETY DATA SHEET DPM 961

| SECTION I | | | | | | | | |
|--|---|--|--|--|--|--|--|--|
| MANUFACTURER'S NAME E. I. du Pont de Nemours & Co., Inc. | (302) 774-7500 | | | | | | | |
| ADDRESS (Number, Street, City, State, and ZIP Code) Wilmington, DE 19898 | | | | | | | | |
| Sulfuric Acid, Oil of Vitriol | Sulfuric Acid 60, WW, BQ, | | | | | | | |
| CHEMICAL FAMILY Mineral Acid | Battery Acid | | | | | | | |
| SECTION II HAZARDOUS I | NGREDIENTS OF MIXTURES | | | | | | | |
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| | | | | | | | | |
| | HYSICAL DATA | | | | | | | |
| • 1 535 1 | SPECIFIC GRAVITY (H ₂ 0-1) 1.835 | | | | | | | |
| 0.001 | PERCENT VOLATILE BY VOLUME (%) | | | | | | | |
| VAPOR DENSITY (AIR-1) Not Applicable | (butyl acetate = 1) less than 1 | | | | | | | |
| SOLUBILITY IN WATER Complete | | | | | | | | |
| Colorless to brownish oily liquid with no | odor | | | | | | | |
| SECTION IV FIRE AND E | EXPLOSION HAZARD DATA | | | | | | | |
| FLASH POINT (Method used) Not Applicable | Not Applicable Lel Uel | | | | | | | |
| Not Applicable EXTINGUISHING MEDIA FOI fires in area, use a dioxide, or dry chemical | pproved media, such as water, carbon | | | | | | | |
| Wear full acid protective clothing when possibility of acid contact exists. | | | | | | | | |
| | · | | | | | | | |
| unusual FIRE AND EXPLOSION HAZARDS. The acid reacts with most metals to give flammable hydrogen gas, particularly when diluted. Addition of water to the acid causes | | | | | | | | |
| generation of heat, possible spattering, and increased corrosion. | | | | | | | | |
| SECTION V HEALTH HAZARD DATA | | | | | | | | |
| THRESHOLD SMIT VALUE | | | | | | | | |
| Severe burns to skin, eyes and all body | tissue on contact. Respiratory irritation. | | | | | | | |
| on inhalation of vapors or mists. | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | , | | | | | | | |
| EMERGENCY AND FIRST AID PROCEDURES Flush skin or eyes with plenty of water | for at least 15 minutes while removing | | | | | | | |
| contaminated clothing and shoes. Call a physician. For inhalation, remove | | | | | | | | |
| person to fresh air. Get prompt medical attention. | | | | | | | | |
| | | | | | | | | |

| SECTION VI REACTIVITY DATA | | | | | | | | | |
|--------------------------------------|-------------------------------------|-------------------|--|--|----------------------|----------------------|--|--------|--|
| STABILITY | UNSTABLE | | CONDITIONS TO | DIOVA | | | | | |
| · | STABLE | Х | | : i | | | | \neg | |
| incompatibility (bustible mate | Materials to a | voidStr irbide | ong reducit s, chlorates | ng agen s, nitrat | ts, powd es, fulm | lered ninate | metals, organic and cones, and picrates. | 1- | |
| Sultur aloxide | e, at ele | vated | temperatur | res. · | | | | | |
| HAZARDOUS POLYMERIZATION | MAY OCCU | A | ICONDITIONS | TO AVOID | terials | that | will release poisonous | • | |
| | WILL NOT | RUDDC | X gases, s | such as | cyanide | es an | d sulfides. | | |
| | | | | | | | | | |
| SECTION VII SPILL OR LEAK PROCEDURES | | | | | | | | | |
| Wear full ac | id protec | ctive (| clothing. R | enove | source | s of i | ignition. Flush away by | | |
| | | | | | | - | e spills should be con- | | |
| tained with e | | likes. | | | | | | | |
| WASTE DISPOSAL M Flush as abo | ve. Nei | utraliz | e washings | with l | ime or | soda | ash. Flush neutralized | | |
| | | | | | | | r in sulfuric acid storage | | |
| tank as exoth | | | | | | | | | |
| | ECTION | | 2. 4 | L PRO | TECTIO | I NC | NFORMATION | | |
| None for nor | | | >e) | | | | | | |
| VENTILATION | | in adec | quate ventil | lation | | | SPECIAL Not Applicable | | |
| | MECHANICAL (General) Not Applicable | | | | | OTHER Not Applicable | | | |
| | | | | | | | | | |
| | | | | ************************************** | | | | | |
| Use rubber o | | c alov | PS. | | PROTECTIO | | goggles. | | |
| 000 20000 - | <u> </u> | | <u> </u> | | inicai . | <u> </u> | goggies. | | |
| отнек ряотесті v Rubber gaunt | | | apron. hard | hat or | rubber | hoo | d, full rubber acid suit. | | |
| | | | Prym. | <u> </u> | <u> </u> | | | | |
| SECTION IX SPECIAL PRECAUTIONS | | | | | | | | | |
| PRECAUTIONS TO B Protect again | E TAKEN IN | HANDLI ical d | NG AND STORING AMAGE and | water. | Reacts | s viol | lently with water. Keep | | |
| water away f | | | • | | | | | | |
| | | | | | | | | | |
| | | | | | | | , | | |
| OTHER PRECAUTIO | NS | | | | | | | | |
| | | · | and the second s | | | | | | |

*For more Information refer to: "Du Pont Sulfuric Acid Storage and Handling";
National Fire Protection Assoc. Nos. 491M, 325M, 49;
E-11267 Manufacturing Chemists Assn. SD-20 12/76

E-11267

